



## Self-Scoring

- Administering
- Scoring
- Interpreting

# COPS<sup>®</sup>

*Career Occupational Preference System*

INTEREST INVENTORY

**EdITS**

San Diego, CA 92107

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and Lisa Knapp-Lee



# You are about to complete the *Career Occupational Preference System* (COPS)



The COPS Interest Inventory will help you define the kinds of work you are interested in doing and assist you in career planning.

Your interests in  
different occupations  
***ARE IMPORTANT TO YOU***  
because interests  
are usually  
the first stage  
in deciding  
on a career.



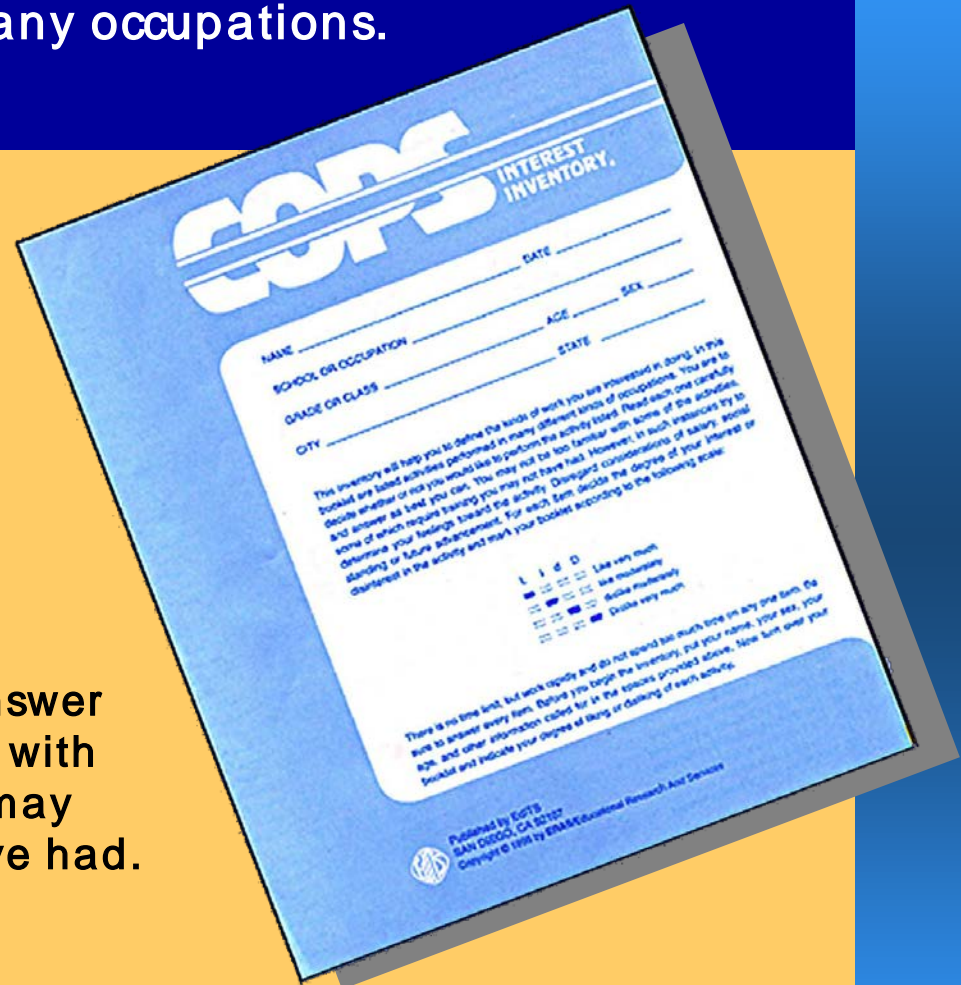
When completing the COPS Interest Inventory you are to indicate your degree of like or dislike for activities performed in a great many occupations.

When answering questions

DISREGARD

- Salary
- Social Standing
- Future Advancement



Some items may be difficult to answer because you may not be familiar with some of the activities and some may require training you may not have had.

The image shows a sample of the COPS Interest Inventory form. At the top, the title "COPS INTEREST INVENTORY" is printed in large, bold, sans-serif letters. Below the title, there are several lines for personal information: "NAME \_\_\_\_\_", "DATE \_\_\_\_\_", "SCHOOL OR OCCUPATION \_\_\_\_\_", "AGE \_\_\_\_\_", "SEX \_\_\_\_\_", "GRADE OR CLASS \_\_\_\_\_", and "STATE \_\_\_\_\_". Below these lines, there is a paragraph of instructions: "This inventory will help you to define the kinds of work you are interested in doing. It is a booklet of listed activities performed in many different kinds of occupations. You are to decide whether or not you would like to perform the activity listed. Read each one carefully and answer as best you can. You may not be too familiar with some of the activities, and some of which require training you may not have had. However, in such instances try to determine your feelings toward the activity. Disregard considerations of salary, social standing or future advancement. For each item decide the degree of your interest or dislike in the activity and mark your booklet according to the following scale." Below this paragraph is a scale with five boxes, each containing a number and a label: "1 Like very much", "2 Like moderately", "3 Dislike moderately", "4 Dislike very much", and "5". At the bottom of the form, there is a small logo and the text: "Published by EITS, SAN DIEGO, CA 92107. Copyright © 1991 by EITS/Educational Research and Service".

However . . . Try to determine your feelings toward the activity and

**ANSWER EVERY QUESTION.**

As you complete each question on the COPS  
indicate the DEGREE of your INTEREST or DISINTEREST  
in that activity in the following way . . .

L	I	d	D	
				Like very much
				like moderately
				dislike moderately
				Dislike very much

**BE SURE TO ANSWER EVERY ITEM**

There is no time limit, but work rapidly.  
And DO NOT spend too much time on any one question.

NOW YOU SHOULD ANSWER THE QUESTIONS  
IN YOUR COPS BOOKLET.

Now that you have completed answering all the items, open your COPS booklet to the last page and sum across each row assigning the following weights to each of your answers:

$$L = 3 \quad I = 2 \quad d = 1 \quad D = 0$$

Add three for big L, two for small I, one for small d, add nothing for big D.

	Column 4				Column 3				Column 2				Column 1				
	3	2	1	0													
	L	I	d	D	L	I	d	D	L	I	d	D	L	I	d	D	
127. Solve math problems in chemical research . . . . .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>6</u> A <sub>1</sub>
128. Be in charge of designing a space shuttle . . . . .	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>7</u> B <sub>1</sub>
129. Make custom drapes or window coverings . . . . .	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>6</u> C <sub>1</sub>
130. Conduct a meeting of business managers . . . . .	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>8</u> D <sub>1</sub>
131. Receive clients and make appointments . . . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>1</u> E <sub>1</sub>
132. Reproduce artistic masterpieces . . . . .	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>3</u> F <sub>1</sub>
133. Lead young adults in recreational activities . . . . .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>11</u> G <sub>1</sub>

The highest possible score for each row is 12.

Next record  
your three  
“A” scores at the  
bottom of your  
profile sheet  
on page 2 of your  
*Comprehensive  
Career Guide*,  
to be added  
together, then  
the three “B”  
scores, etc.

Do this for all of  
your scores  
“A” through “N”.

L	I	d	D	
...	...	...	...	<u>3</u> A <sub>1</sub>
...	...	...	...	<u>7</u> B <sub>1</sub>
...	...	...	...	<u>6</u> C <sub>1</sub>
...	...	...	...	<u>8</u> D <sub>1</sub>
...	...	...	...	<u>1</u> E <sub>1</sub>

L	I	d	D	
...	...	...	...	<u>2</u> A <sub>2</sub>
...	...	...	...	<u>4</u> B <sub>2</sub>
...	...	...	...	<u>2</u> C <sub>2</sub>
...	...	...	...	<u>1</u> D <sub>2</sub>
...	...	...	...	<u>12</u> E <sub>2</sub>

L	I	d	D	
...	...	...	...	<u>5</u> A <sub>3</sub>
...	...	...	...	<u>1</u> B <sub>3</sub>
...	...	...	...	<u>2</u> C <sub>3</sub>
...	...	...	...	<u>0</u> D <sub>3</sub>
...	...	...	...	<u>10</u> E <sub>3</sub>

10

Now place your scores in the boxes at the bottom of your COPS profile sheet.

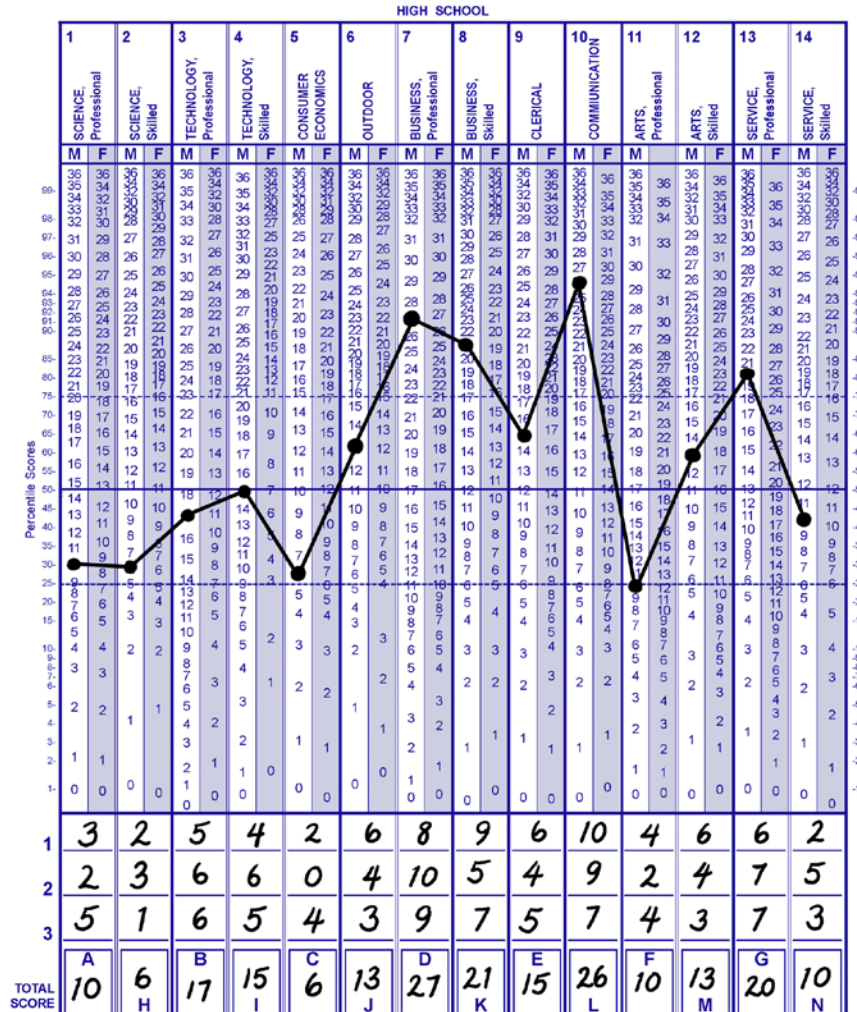
10-	4	3	2	2	7	6	3	3	3	3	4	4	3	3	4	5	6	6	3	6	3	8	4	6	10-
9-	3	3			6	5					4	4				4	6	6				7	5	7	9-
8-					5	4	1				3	3				3	5	5				6	4	6	8-
7-					4						2	2				2	4	4				5	3	5	7-
6-					3						2	2				3	3	3				4	2	4	6-
5-	2	2		1	2	3					2	2		2		2	2	4		2	3	3	2	3	5-
4-		1			2			1	1	1	1	1		1		1	2	3		1	2	1	2	2	4-
3-	1	1	1		1	2					1	1		1		1	1	2		1	1	2	1	1	3-
2-					1	1	0				0	0		0		0	0	1		0	0	1	0	0	2-
1-	0	0	0	0	0	0					0	0		0		0	0	0	0	0	0	0	0	0	1-
	3	2	5	4	2	6	8	9	6	10	4	6	6	2											
	2	3	6	6	0	4	10	5	4	9	2	4	7	5											
	5	1	6	5	4	3	9	7	5	7	4	3	7	3											
	A		B		C		D		E		F		G												
TOTAL SCORE	10	6	17	15	6	13	27	21	15	26	10	13	20	10											
	A		B		C		D		E		F		G												

Make sure you PLACE YOUR SCORES in the CORRECT BOX.  
Read across the top and bottom of the boxes.  
Every SECOND box is in alphabetical order.

# PROFILE SHEET FOR THE COPS INTEREST INVENTORY

NAME Samuel Heston AGE 16 GENDER M DATE \_\_\_\_\_

INSTITUTION or OCCUPATION \_\_\_\_\_ GRADE or CLASS \_\_\_\_\_



The next step is plotting your profile.

The column labeled “M” is for males and “F” (shaded column) for females.

Blacken out your score on each of the 14 scales and then connect each score with a straight line.

# COPSystem Career Clusters

Your profile will  
compare YOUR  
INTERESTS  
with those  
of others at  
YOUR  
EDUCATIONAL  
LEVEL  
within  
14 major  
occupational  
groupings

## SCIENCE

Professional

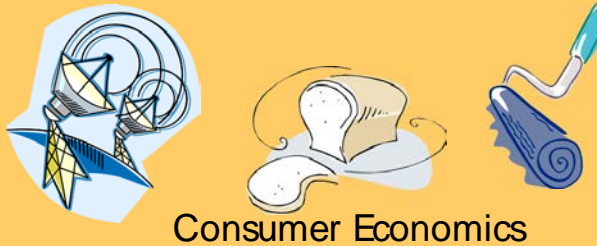
Skilled



## TECHNOLOGY

Professional

Skilled



Consumer Economics

## OUTDOOR

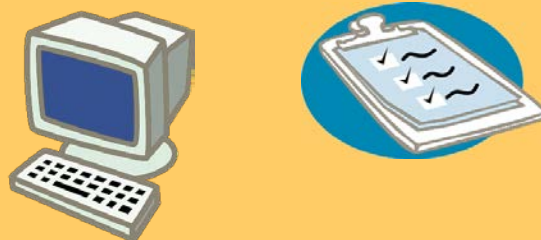
Professional  
and skilled  
Combined



## BUSINESS

Professional

Skilled



## CLERICAL



Professional  
and skilled  
Combined

## COMMUNICATION



Professional  
and skilled  
Combined

## ARTS

Professional

Skilled



## SERVICE

Professional

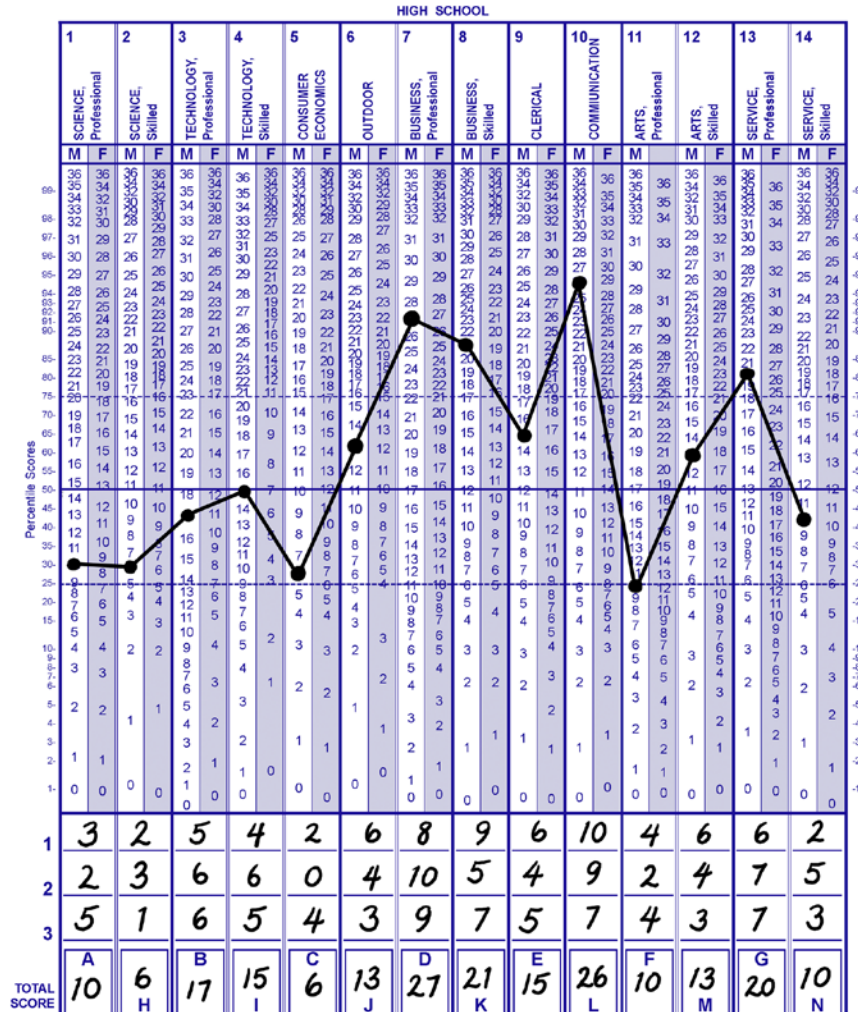
Skilled



# PROFILE SHEET FOR THE COPS INTEREST INVENTORY

NAME Samuel Heston AGE 16 GENDER M DATE \_\_\_\_\_

INSTITUTION or OCCUPATION \_\_\_\_\_ GRADE or CLASS \_\_\_\_\_



Your profile sheet will allow you to compare your COPS interest scores in TWO DIFFERENT ways:

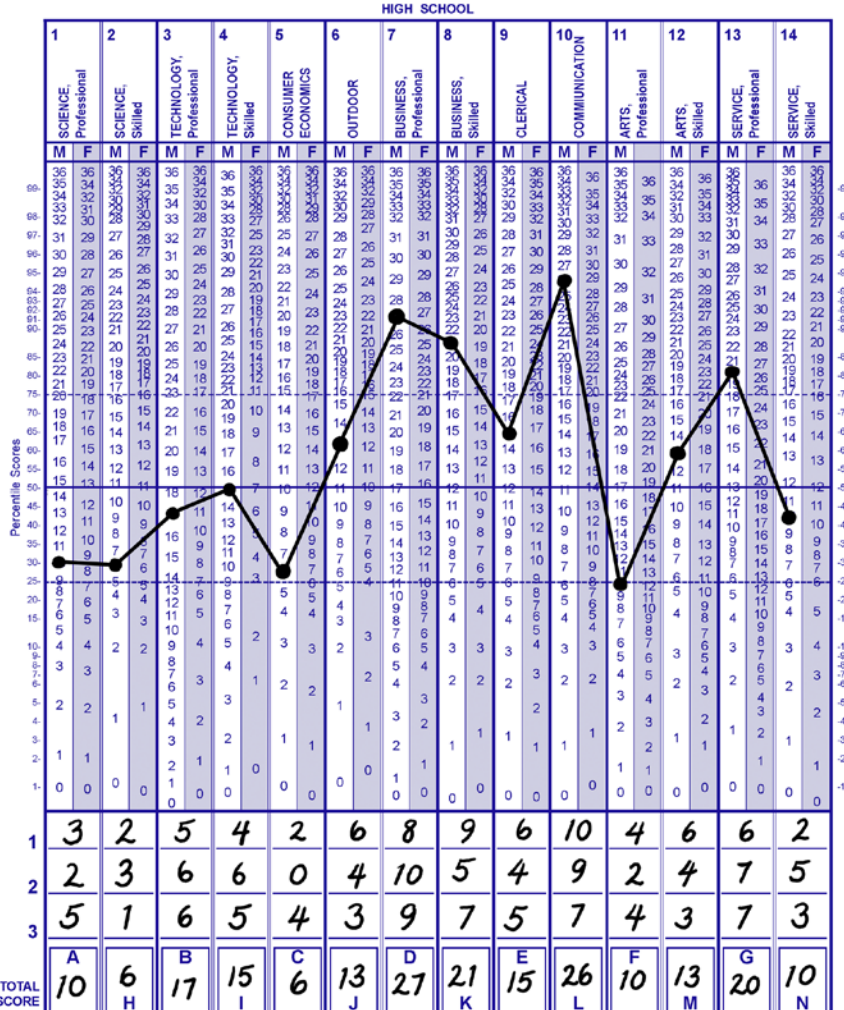
The relative degree of your interests in the 14 DIFFERENT occupational areas.

The degree of YOUR interests in the 14 different occupational areas AS COMPARED With those of OTHERS of the SAME GENDER and EDUCATIONAL LEVEL.

# PROFILE SHEET FOR THE COPS INTEREST INVENTORY




NAME Samuel Heston AGE 16 GENDER M DATE \_\_\_\_\_

INSTITUTION or OCCUPATION \_\_\_\_\_ GRADE or CLASS \_\_\_\_\_



Your individual scores on the 14 Occupational Clusters allow you to identify your degree of interest in each Cluster.

On your COPS profile identify your -

-  **HIGH** interest areas
-  **AVERAGE** interest areas
-  **LOW** interest areas

PERCENTILE SCORES allow you to compare your occupational interests with those of a typical ONE HUNDRED others like you at YOUR EDUCATIONAL LEVEL.

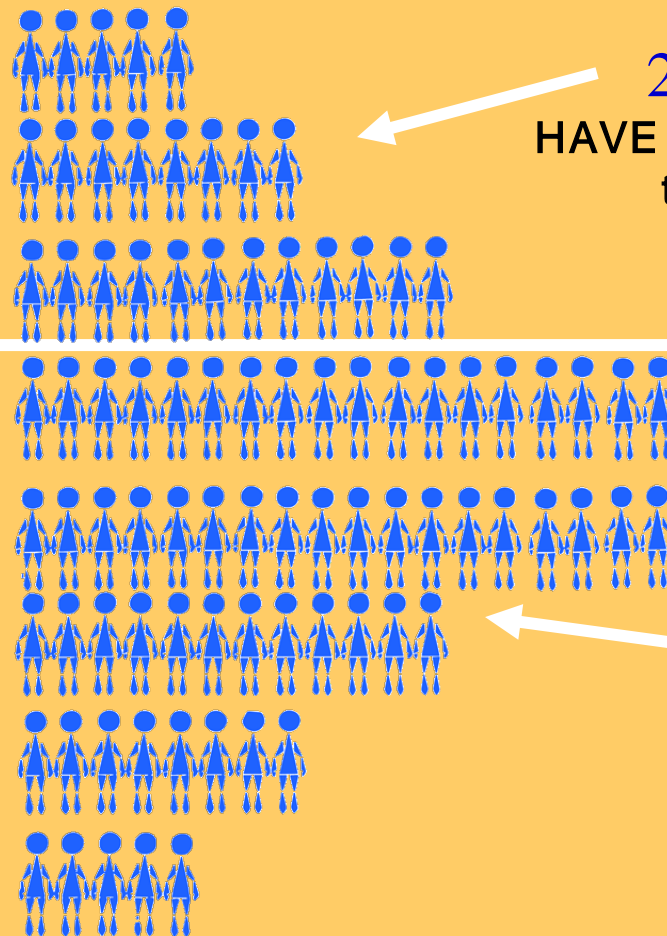
# OPS INTEREST INVENTORY

6 GENDER M DATE

GRADE or CLASS

	9	10	11	12	13	14
	CLERICAL	COMMUNICATION	ARTS, Professional	ARTS, Skilled	SERVICE, Professional	SERVICE, Skilled
F	15	16	17	18	19	20
M	14	15	16	17	18	19
F	13	14	15	16	17	18
M	12	13	14	15	16	17
F	11	12	13	14	15	16
M	10	11	12	13	14	15
F	9	10	11	12	13	14
M	8	9	10	11	12	13
F	7	8	9	10	11	12
M	6	7	8	9	10	11
F	5	6	7	8	9	10
M	4	5	6	7	8	9
F	3	4	5	6	7	8
M	2	3	4	5	6	7
F	1	2	3	4	5	6
M	0	1	2	3	4	5
F	9	6	10	4	6	2
M	5	4	9	2	4	7
F	7	5	7	4	3	7
M	21	15	26	10	13	20
K	E	L	F	M	G	N

EXAMPLE - if your score was at the 75<sup>th</sup> percentile on the Service, Professional scale;



25 others would  
HAVE MORE interest in  
this occupational  
group than you.

74 others would HAVE  
LESS interest in this  
group than you.

# The 14 occupational groupings and sample occupations are explained on pages 4 through 10 in your COPSys *SELF-INTERPRETATION PROFILE AND GUIDE*

## 1 **SCIENCE, PROFESSIONAL (A)** occupations involve responsibility for the planning and conducting of research. They include collecting and applying systematic accumulation of knowledge in the related branches of mathematical, medical, life and physical sciences. (See sample occupations below.)

**Related courses of study:** SCIENCE - Anatomy, Anthropology, Astronomy, Biology, Chemistry, Geography, Physics, Psychology, Sciences (General, Life, Marine and Physical), Zoology; MATHEMATICS - Algebra, Calculus, Computer Science, Data-Processing Math, Geometry, Trigonometry; LANGUAGE - French, German, Latin

<b>Medical-Life Science</b> † AGROVOMIST (19-1013.01)** ANATOMIST (19-1042.00) • ANESTHESIOLOGIST (29-1061.00) • ANTHROPOLOGIST (29-3091.01) • AUDIOLOGIST (29-1121.00) • BACTERIOLOGIST (19-1022.00) • BIOCHEMIST (19-1021.01) • BIOLOGIST (19-1020.01) • BIOMEDICAL ENGINEER (17-2031.00) • BIOPHYSICIST (19-1021.02) • BOTANIST (19-1013.01) • ECOLOGIST (19-2041.00) • EMBRYOLOGIST (19-1069.99) • ENTOMOLOGIST (19-1023.00) • EPIDEMIOLOGIST (19-1041.00) • FLIGHT SURGEON (29-1063.00) • FOOD SCIENTIST (RES. DIETITIAN) (19-1012.00) • GENETICIST (19-1012.00) • HEALTH PHYSICIST (19-2012.00) • MARINE BIOLOGIST (19-1023.00) • MICROBIOLOGIST (19-1022.00)	MYCOLOGIST (19-1020.01) NEUROLOGIST (29-1069.99) • ORAL & MAXILLOFACIAL SURGEON (29-1022.00) • PALEONTOLOGIST (19-2042.01) • PARASITOLOGIST (19-1042.00) • PATHOLOGIST (29-1127.00) • PHARMACOLOGIST (19-1042.00) • PHYSIOLOGIST (19-3039.99) • PROSTHODONTIST (29-1024.00) • PSYCHOLOGIST, EXPERIMENTAL (19-3031.02) • RADIOLOGIST (29-1069.99) • SONOGRAPHER (29-2032.00) • SURGEON (29-1067.00) • UROLOGIST (29-1069.99) • VETERINARIAN (29-1131.00) • ZOOLOGIST (19-1023.00)	COMPUTER INFO. SYSTEMS MGR. (11-3021.00) • COMPUTER PROGRAMMER (15-1021.00) • COMPUTER QUALITY ANALYST (15-1051.00) • COMPUTER SUPPORT SPEC. (15-1041.00) • CRYPTANALYST (15-2021.00) • DATABASE DESIGN ANALYST (15-1061.00) • DEMOGRAPHER (15-2041.00) • FINANCIAL ANALYST (13-2051.00) • FINANCIAL ECONOMIST (13-2052.00) • MATHEMATICAL TECHNICIAN (15-2091.00) • MATHEMATICIAN (15-2021.00) • OPERATIONS RESEARCH ANALYST (15-2031.00) • PHYSICIST, THEORETICAL (19-2012.00) • PROGRAMMER, ENG. & TECH. (15-2021.00) • SOFTWARE TECHNICIAN (15-1031.00) • STATISTICIAN, APPLIED (15-2041.00) • STATISTICIAN, MATHEMATICS (15-2041.00) • STATISTICIAN, PHYSICAL SCIENCE (15-2041.00) • SURVEY RESEARCHER (15-2012.00) • SYSTEMS ANALYST (COMPUTER) (15-1051.00) • WEIGHT ANALYST (15-2091.00)	<b>Physical Science</b> • ARCHEOLOGIST (19-3091.02) • ASTRONOMER (19-2011.00) • CHEMIST (19-2031.00) • CHEMIST, WATER PURIFICATION (19-4091.00) • CLIMATOLOGIST (19-2021.00) • CONSERVATION SCIENTIST (19-1031.00) • GEOGRAPHER (19-3092.00) • GEOLOGIST (19-2042.01) • GEOPHYSICIST (19-2043.00) • GEOSCIENTIST (19-2042.00) • HYDROLOGIST (19-2043.00) • MATERIAL SCI. (INORGANIC CHEM.) (19-2032.00) • METEOROLOGIST (19-2021.00) • NATURAL SCIENCES MANAGER (11-9121.00) • OCEANOGRAPHER (19-1020.01) • PETROLOGIST (19-2042.01) • PHARMACIST (29-1051.00) • PHYSICIST (19-2012.00) • PHYSICIST, NUCLEAR (19-2012.00) • REACTOR OPERATOR, RESEARCH (19-4051.01) • SOIL SCIENTIST (19-1013.00)
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### Some skills and abilities needed in these jobs

Use logic or scientific thinking to deal with many different kinds of problems  
 Make decisions based on information that can be measured or verified  
 Learn and use knowledge about how living things function, how plants and animals are classified, how to use laboratory and scientific equipment  
 Understand and express complex, technical, and scientific information  
 Understand & apply instructions that use words, numbers, diagrams, or chemical formulas  
 Use non-verbal symbols (such as numbers) to express ideas or solve problems

Do things requiring you to be very accurate  
 Understand and use advanced math and statistics  
 Use computer technology to solve problems or process large amounts of information  
 Make decisions using your own reasoning  
 Deal with things known and things which frequently are not easy to recognize or understand

**Related Career Areas:** Health Science; Information Technology; Science, Technology, Engineering & Mathematics. Work Groups: Scientific, Physical Sciences, Life Sciences, Medical Sciences. *Leading - Influencing*, Mathematics and Statistics, Social Research.

## 2 **SCIENCE, SKILLED (H)** occupations involve observing and classifying facts in assisting in laboratory research and applying this information in the fields of medicine and life and physical sciences. (See sample occupations below.)

**Related courses of study:** SCIENCE - Biology, Chemistry, Geography, Science (General, Life and Physical); MATHEMATICS - Computer Literacy, Math

<b>Medical-Life Science</b> AMPOULE EXAMINER (51-9061.05)** † BIOLOGICAL TECH. (19-4021.00) CORONER (13-1041.06) • CYTOTECHNOLOGIST (29-2011.00) • DENTAL ASSISTANT (31-9091.00) • DENTAL HYGIENIST (29-2021.00) • DENTAL-LAB. TECHNICIAN (51-9081.00) • DIAGNOSTIC RADIOGRAPHER (29-2032.00) • DIALYSIS TECHNICIAN (29-2011.00) • ELECTROCARDIOGRAPH TECH. (29-2031.00) • ELECTROENCEPHALO. TECH. (29-2011.00) • EMBALMER (39-4011.00) • EYEGLASS INSPECTOR (51-9061.05)	MEDICAL EQUIPMENT PREPARER (31-9093.00) • MEDICAL-LAB ASSISTANT (29-2012.00) • MEDICAL TECHNOLOGIST (29-2011.00) • MICROBIOLOGY TECHNOLOGIST (29-2011.00) • NUCLEAR MEDICINE TECHNOLOGIST (29-2033.00) • OPTICIAN, DISPENSING (29-2081.00) • OPTOMECHANICAL TECHNICIAN (17-3027.00) • RADIATION MONITOR (19-4051.02) • RADIATION THERAPIST (29-1124.00) • RADIOGRAPHER (29-2034.01) • RADIOLOGIC TECHNOLOGIST (29-2034.01) • RESPIRATORY THERAPIST (29-1126.00) • RESPIRATORY THERAPY TECH. (29-2054.00) • SURGICAL TECHNICIAN (29-2055.00)	• CHEMICAL TECHNICIAN (19-4031.00) • CITY PLANNING AIDE (19-4061.01) • CRIMINALIST (19-4092.00) • DECONTAMINATION TECHNICIAN (19-4051.02) • ENVIRONMENTAL ENG. TECH. (17-3025.00) • EXPLOSIVE ORD. TECH. (MILITARY) (55-3014.00) • FINGERPRINT CLASSIFIER (33-3021.02) • FOOD & DRUG INSPECTOR (45-2011.00) • FORENSIC SCIENCE TECH. (19-4092.00) • FORMATION TEST OPERATOR (51-9061.05) • GAS PLANT OPERATOR (51-8092.00) • GEOLOGICAL DATA TECHNICIAN (19-4041.01) • GEOLOGICAL SAMPLE TEST TECH. (19-4041.02) • GLASS INSPECTOR (51-9061.05)	MECHANICAL INSPECTOR (51-9061.02) • METER INSPECTOR (51-9061.03) • METER READER (43-5041.00) • NUCLEAR PLANT TECH. (19-4051.01) • NUCLEAR POWER REACTOR OPER. (51-8011.00) • OCCUPA. HEALTH & SAFETY TECH. (29-9012.00) • PEST CONTROLLER (37-2021.00) • PHARMACY AIDE (31-9095.00) • PHARMACY TECHNICIAN (29-2052.00) • PHOTOGRAMMETRIST (17-1021.00) • POLLUTION CONTROL TECH. (19-4091.00) • POWER DISTRIBUTOR (51-8012.00) • POWER PLANT OPERATOR (51-8013.00) • PROCESS INSPECTOR (51-9061.05)
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What is the difference between  
**PROFESSIONAL** and **SKILLED** occupations?

**PROFESSIONAL  
OCCUPATIONS**  
usually demand:

- College Training
- A College Degree
- Greater Training Time
- Special Aptitude Qualifications

**SKILLED  
OCCUPATIONS**  
usually demand:

- Specialized Training
- Attendance at a Trade or Vocational School But May Require College Background
- On-the-Job Training
- Less Training Time

As a further step in examining your COPS results  
turn back to the last page of your COPS booklet  
and circle all your “L” (Like very much) responses.

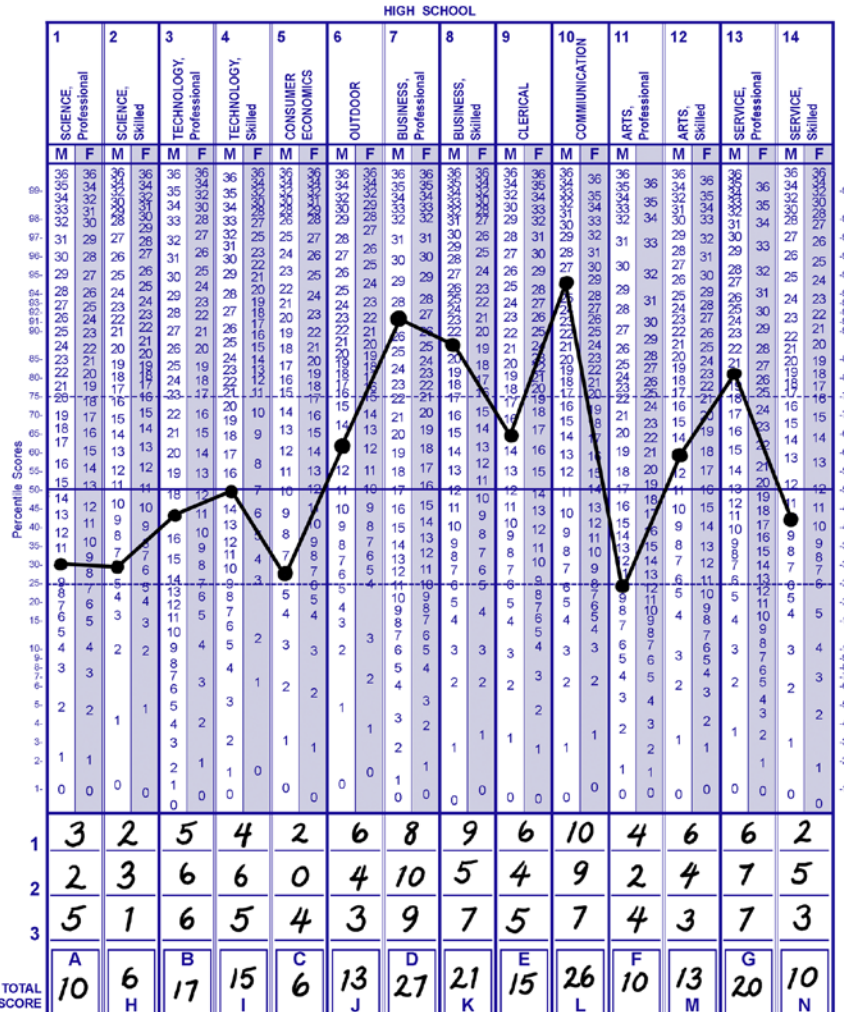
	Column 4				Column 3				Column 2				Column 1				
	3	2	1	0													
	L	I	d	D	L	I	d	D	L	I	d	D	L	I	d	D	
127. Solve math problems in chemical research . . .	<input checked="" type="radio"/>				<input checked="" type="radio"/>												<u>6</u> A <sub>1</sub>
128. Be in charge of designing a space shuttle . . .					<input checked="" type="radio"/>												<u>7</u> B <sub>1</sub>
129. Make custom drapes or window coverings . . .																	<u>6</u> C <sub>1</sub>
130. Conduct a meeting of business managers . . .																	<u>8</u> D <sub>1</sub>
131. Receive clients and make appointments . . .																	<u>1</u> E <sub>1</sub>
132. Reproduce artistic masterpieces . . .																	<u>3</u> F <sub>1</sub>
133. Lead young adults in recreational activities . . .	<input checked="" type="radio"/>				<input checked="" type="radio"/>				<input checked="" type="radio"/>								<u>11</u> G <sub>1</sub>

Examine the occupational activities represented in your  
strong likes and consider each activity in  
relation to the group scores on your COPS profile.

# PROFILE SHEET FOR THE COPS INTEREST INVENTORY

NAME Samuel Heston AGE 16 GENDER M DATE \_\_\_\_\_

INSTITUTION or OCCUPATION \_\_\_\_\_ GRADE or CLASS \_\_\_\_\_



How do your COPS interest scores compare with what you already know about yourself and your occupational plans?

# What is the next step after you interpret your SCORES on the COPS?

- 1 Determine relationships of your interests, abilities and values to Clusters of jobs
- 2 Obtain more information about specific jobs listed under each Cluster
  - A. *Occupational Outlook Handbook* (OOH)
  - B. O\*NET (<http://online.onetcenter.org>)
  - C. To get information about specific jobs you may use card files such as the COPSsystem *Career Briefs Kit* or the COPSsystem *Cluster Booklets Kit*
- 3 Select courses and training

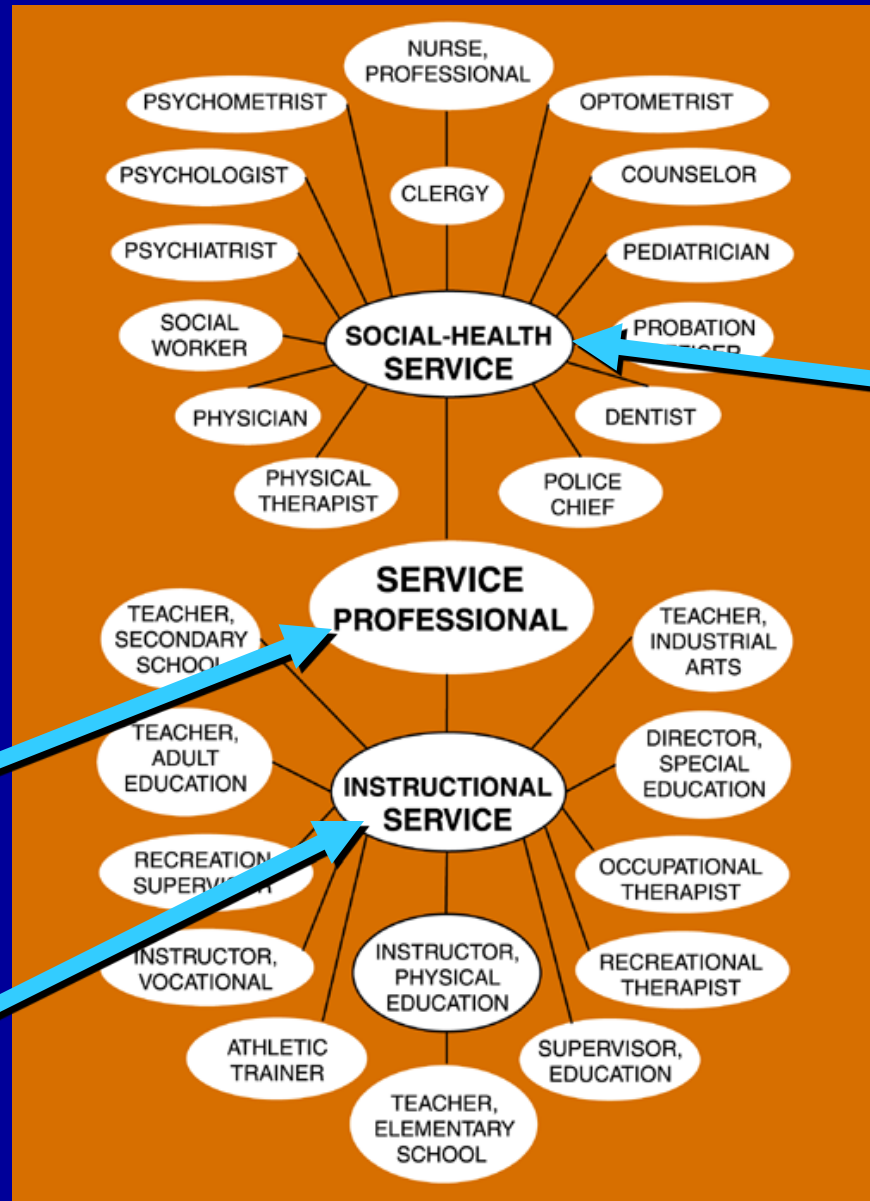


## SERVICE, Professional (example)

Each Career Cluster on pages 4 through 10 and each Cluster Chart further explains the interrelationship of occupations by showing subdivisions within each Cluster.

**MAJOR CLUSTER**  
**SERVICE**  
**PROFESSIONAL**

**SUB-AREA**  
**INSTRUCTIONAL**



**SUB-AREA**  
**SOCIAL-HEALTH**

Turn to page 11.

Using your COPSsystem results from page 2, complete column A of the chart.

<input type="checkbox"/> 1. SCIENCE, Professional <input checked="" type="checkbox"/> 4. TECHNOLOGY, Skilled <input checked="" type="checkbox"/> 7. BUSINESS, Professional <input type="checkbox"/> 10. COMMUNICATION <input type="checkbox"/> 13. SERVICE, Professional <input type="checkbox"/> 2. SCIENCE, Skilled <input type="checkbox"/> 5. CONSUMER ECONOMICS <input type="checkbox"/> 8. BUSINESS, Skilled <input type="checkbox"/> 11. ARTS, Professional <input type="checkbox"/> 14. SERVICE, Skilled <input checked="" type="checkbox"/> 3. TECHNOLOGY, Professional <input type="checkbox"/> 6. OUTDOOR <input type="checkbox"/> 9. CLERICAL <input type="checkbox"/> 12. ARTS, Skilled					
A. List the Career Clusters you are considering.	B. Choose five occupations from each Career Cluster in column A.	C. Look up occupations listed in B in sources of information.	D. Choose three occupations from your list in column B.	E. List required skills and abilities for job performance in these three occupations.	F. List courses and activities able to prepare you for these three occupations.
1. <i>Technology Skilled</i>	1. _____ 2. _____ 3. _____ 4. _____ 5. _____	<div> <div>Occupations</div> <div>Source</div> <div>DATE</div> <div>OTHER</div> </div>	1. _____	1. _____ 2. _____ 3. _____ 4. _____ 5. _____	1. _____ 2. _____ 3. _____ 4. _____ 5. _____
2. <i>Technology Professional</i>	1. _____ 2. _____ 3. _____ 4. _____ 5. _____		2. _____	1. _____ 2. _____ 3. _____ 4. _____ 5. _____	1. _____ 2. _____ 3. _____ 4. _____ 5. _____
3. <i>Business Professional</i>	1. _____ 2. _____ 3. _____ 4. _____ 5. _____		3. _____	1. _____ 2. _____ 3. _____ 4. _____ 5. _____	1. _____ 2. _____ 3. _____ 4. _____ 5. _____

Use information on pages 4 -10 of your *Self-Interpretation Profile and Guide* to complete the remaining columns of your chart.



Occupations with a (●) may be looked up alphabetically within Clusters in the COPSsystem *Briefs Kit*. Almost all others may be found in the O\*NET or the COPSsystem *Career Cluster Booklets*.

## THE CAREER CLUSTERS

### 1 SCIENCE, PROFESSIONAL (A)

occupations involve responsibility for of research. They include collecting and applying systematic accumulated knowledge in the natural, medical, life and physical sciences. (See sample occupations below.)

Related courses of study: SCIENCE - Biology, Chemistry, Geography, Physics, Mathematics - Algebra, Geometry, Trigonometry, Calculus

**Medical-Life Science**

- AGRONOMIST (19-1013.01)\*\*
- ANATOMIST (19-1042.00)
- ANESTHESIOLOGIST (29-1061.00)
- ANTHROPOLOGIST (19-3091.00)
- AUDIOLOGIST (29-1121.00)
- BACTERIOLOGIST (19-1022.00)
- BIOCHEMIST (19-1021.01)
- BIOLOGIST (19-1020.01)
- BIOMEDICAL ENGINEER (17-1021.02)
- BIOPHYSICIST (19-1021.02)
- BOTANIST (19-1013.01)
- ECOLOGIST (19-1099.99)
- EMBRYOLOGIST (19-1023.00)
- ENTOMOLOGIST (19-1041.00)
- EPIDEMIOLOGIST (29-1061.00)
- FLIGHT SURGEON (29-1061.00)
- FOOD SCIENTIST (RES. D.) (19-1022.00)
- GENETICIST (19-1022.00)
- HEALTH PHYSICIST (19-1021.02)
- MARINE BIOLOGIST (19-1022.00)
- MICROBIOLOGIST (19-1022.00)

Use logic or scientific method. Make decisions based on scientific knowledge. Learn and use knowledge of plants and animals.

### 3 TECHNOLOGY, PROFESSIONAL (B)

occupations involve responsibility for structural design in the manufacture, construction, and maintenance of buildings, machines, and equipment. (See sample occupations below.)

Related courses of study: MATHEMATICS - Algebra, Calculus, Computer Science, Industrial Technology - AutoCAD, Drafting, Graphics, Industrial Design, Mechanical, Chemical, General Science, Physics

**Aeronautical-Marine**

- AERONAUTICAL (AEROSPACE) ENG. (17-2111.00)\*\*
- AEROSPACE ENG. & OPER. TECH. (17-3021.00)
- AIRCRAFT DESIGN ENGINEER (17-2111.00)
- AIRPLANE (AIRCRAFT) PILOT (53-2012.00)
- ARCHITECT, MARINE (17-2121.02)
- FLIGHT ENGINEER (53-2011.00)
- FLIGHT INSTRUCTOR (53-2011.00)
- HELICOPTER PILOT (53-2012.00)
- HIGHWAY PATROL PILOT (33-3051.02)
- MARINE ENGINEER (17-2121.01)
- NAVIGATOR (53-2011.00)
- PROCUREMENT ENGINEER (13-1023.00)
- PROPULSION SYSTEMS ENGINEER (13-1023.00)
- TEST ENGR. (STRESS ANALYSIS) (13-1023.00)

**CIVIL ENGINEER TECHNICIAN (17-3011.00)**

- DRAFTER, STRUCTURAL (17-3011.00)
- DRAINAGE-DESIGN ENGINEER (17-3011.00)
- ELECTRICAL DRAFTER (17-3012.02)
- HIGHWAY-ADMINISTRATIVE ENG. (17-3012.02)
- HYDRAULIC ENGINEER (17-2051.00)
- IRRIGATION ENGINEER (17-2051.00)
- MINING ENGINEER (17-2151.00)
- PHOTOGRAMMETRIC ENGINEER (17-2151.00)
- POLLUTION-CONTROL ENGINEER (17-2151.00)
- SANITARY ENGINEER (17-2151.00)
- STRUCTURAL ENGINEER (17-2151.00)

### 9 CLERICAL (E)

occupations involve recording, posting and attention to detail, accuracy, neatness, orderliness and speed with customers in keeping records. (See sample occupation below.)

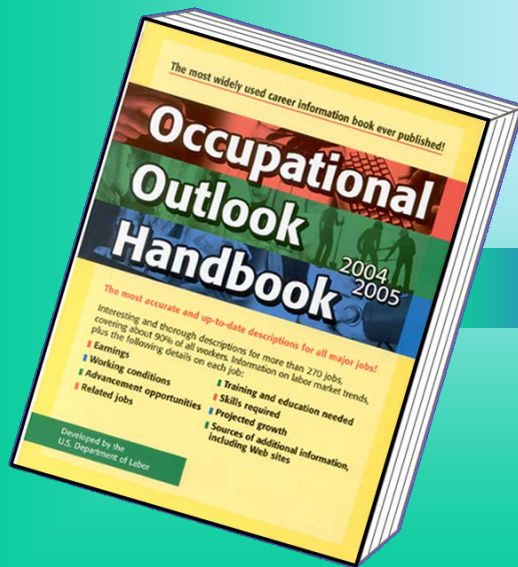
Related courses of study: BUSINESS - Bookkeeping, Business, Data Processing, Keyboarding, Office Management, General, Vocational; ENGLISH - Business; MATHEMATICS - Computer Literacy, Mathematics

**Classification**

- AUDITING (43-4131.00)
- BANK-RECORDING (43-4131.00)
- BILLING (43-4131.00)
- BILLING-MANAGEMENT (43-4131.00)
- BOOKKEEPING (43-4131.00)
- BUDGET (43-4131.00)
- LOAN INTERVIEWER (43-4131.00)
- MANAGER, CLERICAL, OFFICE (43-1011.02)
- SECRETARY (43-6013.00)
- TYPIST (31-9094.00)

→ The number in parenthesis  
is the O\*NET code.

→ For a complete description  
of this code, see -  
<http://online.onetcenter.org>



→ Occupations in italics may  
be looked up in the  
alphabetical index in the  
*Occupational Outlook  
Handbook (OOH)*.

To complete the last column you may use this portion of pages 4 through 10.

## The Career Clusters

### 1 **SCIENCE, PROFESSIONAL (A)** occupations involve responsibility for the planning and conducting of research. They include collecting and applying systematic accumulation of knowledge in the related branches of mathematical, medical, life and physical sciences. (See sample occupations below.)

Related courses of study: **SCIENCE** - Anatomy, Anthropology, Astronomy, Biology, Chemistry, Geography, Physics, Psychology, Sciences (General, Life, Marine and Physical), Zoology; **MATHEMATICS** - Algebra, Calculus, Computer Science, Data-Processing Math, Geometry, Trigonometry; **LANGUAGE** - French, German, Latin

- |  |   |   |  |
|--|---|---|--|
| <p><b>Medical-Life Science</b></p> <ul style="list-style-type: none"> <li>• AGRONOMIST (19-1013.01)**</li> <li>• ANATOMIST (19-1042.00)</li> <li>• ANESTHESIOLOGIST (29-1061.00)</li> <li>• ANTHROPOLOGIST (19-3091.01)</li> <li>• AUDIOLOGIST (29-1121.00)</li> <li>• BACTERIOLOGIST (19-1022.00)</li> <li>• BIOCHEMIST (19-1021.01)</li> <li>• BIOLOGIST (19-1020.01)</li> <li>• BIOMEDICAL ENGINEER (17-2031.00)</li> <li>• BIOPHYSICIST (19-1021.02)</li> <li>• BOTANIST (19-1019.01)</li> <li>• ECOLOGIST (19-2041.00)</li> <li>• EMBRYOLOGIST (19-1099.99)</li> <li>• ENTOMOLOGIST (19-1023.00)</li> <li>• EPIDEMIOLOGIST (19-1041.00)</li> <li>• FLIGHT SURGEON (29-1063.00)</li> <li>• FOOD SCIENTIST (RES. DIETITIAN) (19-1012.00)</li> <li>• GENETICIST (19-1022.00)</li> <li>• HEALTH PHYSICIST (19-2012.00)</li> <li>• MARINE BIOLOGIST (19-1023.00)</li> <li>• MICROBIOLOGIST (19-1022.00)</li> </ul> | <p>MYCOLOGIST (19-1020.01)</p> <p>NEUROLOGIST (29-1069.99)</p> <ul style="list-style-type: none"> <li>• ORAL &amp; MAXILLOFACIAL SURGEON (29-1022.00)</li> <li>• PALEONTOLOGIST (19-2042.01)</li> <li>• PARASITOLOGIST (19-1042.00)</li> <li>• PATHOLOGIST (29-1127.00)</li> <li>• PHARMACOLOGIST (19-1042.00)</li> <li>• PHYSIOLOGIST (19-3039.99)</li> <li>• PROSTHODONTIST (29-1024.00)</li> <li>• PSYCHOLOGIST, EXPERIMENTAL (19-3031.02)</li> <li>• RADIOLOGIST (29-1069.99)</li> <li>• SONOGRAPHER (29-2032.00)</li> <li>• SURGEON (29-1067.00)</li> <li>• UROLOGIST (29-1069.99)</li> <li>• VETERINARIAN (29-1131.00)</li> <li>• ZOOLOGIST (19-1023.00)</li> </ul> <p><b>Mathematical Science</b></p> <ul style="list-style-type: none"> <li>• ACTUARY (15-2011.00)</li> <li>• COMP. &amp; INFO. SCIENTIST, RESEARCH (15-1011.00)</li> </ul> | <p>COMPUTER INFO. SYSTEMS MGR. (11-3021.00)</p> <ul style="list-style-type: none"> <li>• COMPUTER PROGRAMMER (15-1021.00)</li> <li>• COMPUTER QUALITY ANALYST (15-1051.00)</li> <li>• COMPUTER SUPPORT SPEC. (15-1041.00)</li> <li>• CRYPTANALYST (15-2021.00)</li> <li>• DATABASE DESIGN ANALYST (15-1061.00)</li> <li>• DEMOGRAPHER (15-2041.00)</li> <li>• FINANCIAL ANALYST (13-2051.00)</li> <li>• FINANCIAL ECONOMIST (13-2052.00)</li> <li>• MATHEMATICAL TECHNICIAN (15-2091.00)</li> <li>• MATHEMATICIAN (15-2021.00)</li> <li>• OPERATIONS RESEARCH ANALYST (15-2031.00)</li> <li>• PHYSICIST, THEORETICAL (19-2012.00)</li> <li>• PROGRAMMER, ENG. &amp; SCI. (15-1021.00)</li> <li>• SOFTWARE TECHNICIAN (15-1031.00)</li> <li>• STATISTICIAN, APPLIED (15-2041.00)</li> <li>• STATISTICIAN, MATHEMATICS (15-2041.00)</li> <li>• STATISTICIAN, PHYSICAL SCIENCE (15-2041.00)</li> <li>• SURVEY RESEARCHER (19-3022.00)</li> <li>• SYSTEMS ANALYST (COMPUTER) (15-1051.00)</li> <li>• WEIGHT ANALYST (15-2010.00)</li> </ul> | <p><b>Physical Science</b></p> <ul style="list-style-type: none"> <li>• ARCHEOLOGIST (19-3091.02)</li> <li>• ASTRONOMER (19-2011.00)</li> <li>• CHEMIST (19-2031.00)</li> <li>• CHEMIST, WATER PURIFICATION (19-4091.00)</li> <li>• CLIMATOLOGIST (19-2021.00)</li> <li>• CONSERVATION SCIENTIST (19-1031.00)</li> <li>• GEOGRAPHER (19-3092.00)</li> <li>• GEOLOGIST (19-2042.01)</li> <li>• GEOPHYSICIST (19-2043.00)</li> <li>• GEOSCIENTIST (19-2042.00)</li> <li>• HYDROLOGIST (19-2043.00)</li> <li>• MATERIAL SCI. (INORGANIC CHEM.) (19-2032.00)</li> <li>• METEOROLOGIST (19-2021.00)</li> <li>• NATURAL SCIENCES MANAGER (11-9121.00)</li> <li>• OCEANOGRAPHER (19-1020.01)</li> <li>• PETROLOGIST (19-2042.01)</li> <li>• PHARMACIST (29-1051.00)</li> <li>• PHYSICIST (19-2012.00)</li> <li>• PHYSICIST, NUCLEAR (19-2012.00)</li> <li>• REACTOR OPERATOR, RESEARCH (19-4051.01)</li> <li>• SOIL SCIENTIST (19-1013.00)</li> </ul> |
|--|---|---|--|

#### Some skills and abilities needed in these jobs

Use logic or scientific thinking to deal with many different kinds of problems  
 Make decisions based on information that can be measured or verified  
 Learn and use knowledge about how living things function, how plants and animals are classified, how to use laboratory and scientific equipment  
 Understand and express complex, technical, and scientific information  
 Understand & apply instructions that use words, numbers, diagrams, or chemical formulas  
 Use non-verbal symbols (such as numbers) to express ideas or solve problems

Do things requiring you to be very accurate  
 Understand and use advanced math and statistics  
 Use computer technology to solve problems or process large amounts of information  
 Make decisions using your own reasoning  
 Deal with things known and things which frequently are not easy to recognize or understand

Related Career Areas: Health Science; Information Technology; Science, Technology, Engineering & Mathematics. Work Groups: Scientific, Physical Sciences, Life Sciences, Medical Sciences. Leading - Influencing, Mathematics and Statistics, Social Research.

### 2 **SCIENCE, SKILLED (H)** occupations involve observing and classifying facts in assisting in laboratory research and applying this information in the fields of medicine and life and physical sciences. (See sample occupations below.)

Related courses of study: **SCIENCE** - Biology, Chemistry, Geography, Science (General, Life and Physical); **MATHEMATICS** - Computer Literacy, Math

- |   |   |  |  |
|---|---|--|--|
| <p><b>Medical-Life Science</b></p> <ul style="list-style-type: none"> <li>• AMPOULE EXAMINER (51-9061.05)**</li> <li>• BIOLOGICAL TECH. (19-4021.00)</li> <li>• CORONER (13-1041.06)</li> <li>• CYTOTECHNOLOGIST (29-2011.00)</li> <li>• DENTAL ASSISTANT (31-9091.00)</li> <li>• DENTAL HYGIENIST (29-2021.00)</li> <li>• DENTAL-LAB. TECHNICIAN (51-9081.00)</li> <li>• DIAGNOSTIC MED. SONOGRAPHER (29-2032.00)</li> <li>• DIALYSIS TECHNICIAN (29-2011.00)</li> <li>• ELECTROCARDIOGRAPH TECH. (29-2031.00)</li> <li>• ELECTROENCEPHALO. TECH. (29-2011.00)</li> <li>• EMBALMER (39-4011.00)</li> <li>• ENVELOPER INSPECTOR (51-9061.05)</li> </ul> | <p>MEDICAL EQUIPMENT PREPARER (31-9093.00)</p> <ul style="list-style-type: none"> <li>• MEDICAL-LAB. ASSISTANT (29-2012.00)</li> <li>• MEDICAL TECHNOLOGIST (29-2011.00)</li> <li>• MICROBIOLOGY TECHNOLOGIST (29-2011.00)</li> <li>• NUCLEAR MEDICINE TECHNOLOGIST (29-2033.00)</li> <li>• OPTICIAN, DISPENSING (29-2081.00)</li> <li>• OPTOMECHANICAL TECHNICIAN (17-3027.00)</li> <li>• RADIATION MONITOR (19-4051.02)</li> <li>• RADIATION THERAPIST (29-1124.00)</li> <li>• RADIOGRAPHER (29-2034.01)</li> <li>• RADIOLOGIC TECHNOLOGIST (29-2034.01)</li> <li>• RESPIRATORY THERAPIST (29-1126.00)</li> <li>• RESPIRATORY THERAPY TECH. (29-2054.00)</li> <li>• SURGICAL TECHNICIAN (29-2054.00)</li> </ul> | <ul style="list-style-type: none"> <li>• CHEMICAL TECHNICIAN (19-4031.00)</li> <li>• CITY PLANNING AIDE (19-4061.01)</li> <li>• CRIMINALIST (19-4092.00)</li> <li>• DECONTAMINATION TECHNICIAN (19-4051.02)</li> <li>• ENVIRONMENTAL ENG. TECH. (17-3025.00)</li> <li>• EXPLOSIVE ORD. TECH. (MILITARY) (55-3014.00)</li> <li>• FINGERPRINT CLASSIFIER (33-3021.02)</li> <li>• FOOD &amp; DRUG INSPECTOR (45-2011.00)</li> <li>• FORENSIC SCIENCE TECH. (19-4092.00)</li> <li>• FORMATION TEST OPERATOR (51-9061.05)</li> <li>• GAS PLANT OPERATOR (51-8092.00)</li> <li>• GEOLOGICAL DATA TECHNICIAN (19-4041.01)</li> <li>• GEOLOGICAL SAMPLE TEST TECH. (19-4041.02)</li> <li>• GLASS INSPECTOR (51-9061.05)</li> </ul> | <p>MECHANICAL INSPECTOR (51-9061.02)</p> <ul style="list-style-type: none"> <li>• METER INSPECTOR (51-9061.03)</li> <li>• METER READER (43-5041.00)</li> <li>• NUCLEAR PLANT TECH. (19-4051.01)</li> <li>• NUCLEAR POWER REACTOR OPER. (51-8011.00)</li> <li>• OCCUPA. HEALTH &amp; SAFETY TECH. (29-9012.00)</li> <li>• PEST CONTROLLER (37-2021.00)</li> <li>• PHARMACY AIDE (31-9095.00)</li> <li>• PHARMACY TECHNICIAN (29-2052.00)</li> <li>• PHOTOGRAMMETRIST (17-1021.00)</li> <li>• POLLUTION-CONTROL TECH. (19-4091.00)</li> <li>• POWER DISTRIBUTOR (51-8012.00)</li> <li>• POWER PLANT OPERATOR (51-8013.00)</li> <li>• POWER INSPECTOR (51-9061.05)</li> </ul> |
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**Complete the Program Planning Guide on Page 12.**

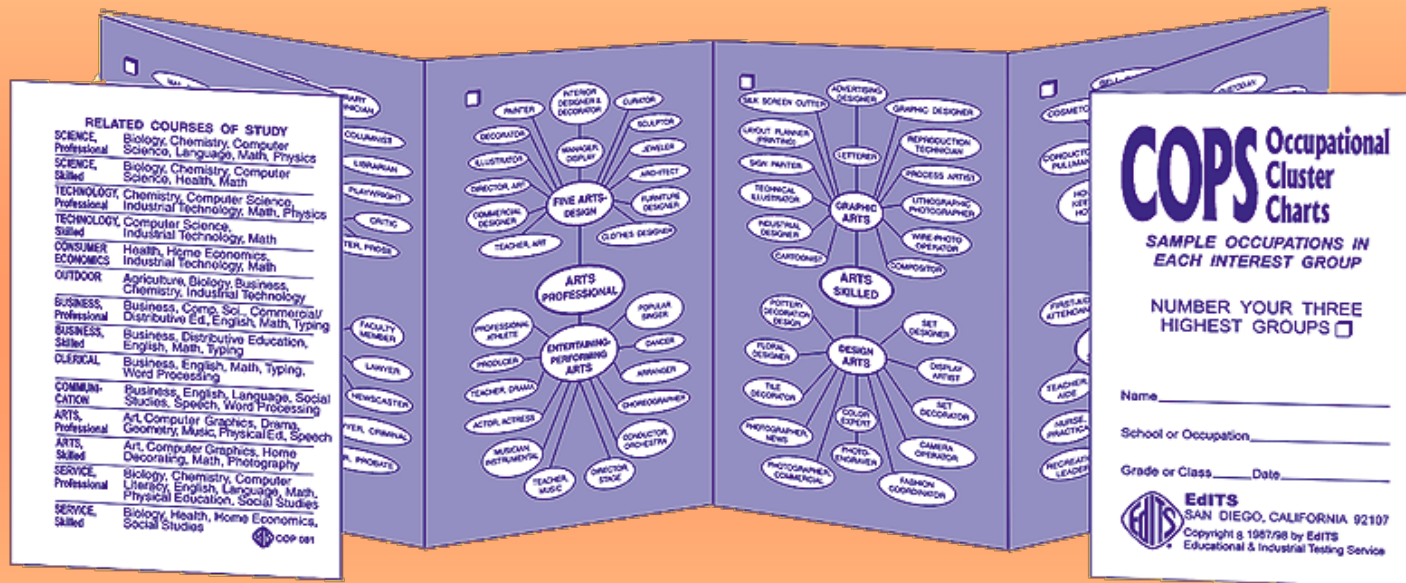
**Turn to page 13 to get local job information on a job or jobs you are considering. Talk to someone working in your area.**

The Program Planning Guide on

Page 13  
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*REMEMBER...*

**PLAN TO USE THE INFORMATION ABOUT YOUR OCCUPATIONAL INTERESTS IN CAREER PLANNING.**



**Use your COPS Pocket Chart to discuss your scores on the COPS with family, counselors, instructors, friends and others who can help you.**